

S.N. 09/510,937

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A medical device comprising permeable, porous expanded polytetrafluoroethylene tube having a microstructure of nodes interconnected by fibrils and provided with a non-porous coating over the porous expanded polytetrafluoroethylene to render the tube non-porous, wherein said tube is configured as an inflatable balloon.
2. (Previously Presented) A medical device according to claim 1 wherein the non-porous coating comprises fluorinated ethylene propylene.
3. (Previously Presented) A medical device according to claim 1 wherein the non-porous coating comprises an adhesive.
4. (Previously Presented) A medical device according to claim 3 wherein the adhesive comprises a thermoplastic adhesive.
5. (Previously Presented) A medical device according to claim 4 wherein the thermoplastic adhesive is a thermoplastic fluoropolymer.
6. (Previously Presented) A medical device according to claim 1 wherein the porous expanded polytetrafluoroethylene comprises multiple layers.
7. (Previously Presented) A medical device according to claim 1 wherein the balloon is an inelastic balloon.
8. (Previously Presented) A medical device according to claim 1 wherein balloon comprises a portion of a balloon catheter.
9. (Previously Presented) A medical device according to claim 1 wherein the non-porous coating is a continuous coating.
10. (Currently Amended) A medical device comprising a tube having a node and fibril microstructure, the tube being non-porous and configured as an inflatable balloon.

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11. (Previously Presented) A medical device according to claim 10 wherein the tube includes a non-porous coating.
12. (Previously Presented) A medical device according to claim 11 wherein the non-porous coating comprises fluorinated ethylene propylene.
13. (Previously Presented) A medical device according to claim 11 wherein the non-porous coating comprises an adhesive.
14. (Previously Presented) A medical device according to claim 13 wherein the adhesive comprises a thermoplastic adhesive.
15. (Previously Presented) A medical device according to claim 14 wherein the thermoplastic adhesive is a thermoplastic fluoropolymer.
16. (Previously Presented) A medical device according to claim 10 wherein the tube comprises porous expanded polytetrafluoroethylene.
17. (Previously Presented) A medical device according to claim 16 wherein the tube comprises multiple layers of porous expanded polytetrafluoroethylene.
18. (Previously Presented) A medical device according to claim 10 wherein the balloon is an inelastic balloon.
19. (Previously Presented) A medical device according to claim 10 wherein the balloon comprises a portion of a balloon catheter.
20. (Currently Amended) A medical device according to claim 10 wherein the non-porous coating is tube has a continuous coating.

Claims 21 - 28 (Canceled)